

## ADDITIONS TO THE FLORA OF CONNECTICUT.

(Continued from page 110.)

AGROSTIS ALBA L. The teratological form known as *A. sylvatica* L. is plentiful at one locality in Stratford (Eames).

A. ALBA L., var. ARISTATA Gray. Seymour (Harger). Occasional in the southwestern part of the state where, however, it constantly intergrades with the typical form.

A. PERENNANS (Walt.) Tuckerm. The weak or decumbent form with looser panicles and lax blades, which has been separated as *A. Schweinitzii* Torr. is occasional in moist woods throughout.

A. CANINA L. Franklin (R. W. Woodward). In the Catalogue not reported east of the Connecticut valley. A peculiar autumnal form producing tufts of leaves from the nodes occurs at Sharon (Bissell, R. W. Woodward and Weatherby, RHODORA, xiii. 30).

† APERA SPICA-VENTI (L.) Beauv. Roadside, Bridgeport (Eames). Adventive from Europe.

CINNA LATIFOLIA (Trev.) Griseb. Pistapaug Mt., Durham (Bissell). Previously known only from the northwestern part of the state.

† AVENA FATUA L. Two or three clumps in newly-seeded grass-land, East Windsor (Bissell), Bridgeport (Eames).

† A. PUBESCENS Huds. Plentiful at one station, Woodbury (Harger). Fugitive or adventive from Europe.

SPARTINA MICHAUXIANA Hitchc. South Windsor (Bissell), New Hartford and Newtown (A. E. Blewitt). Extensions of range northward.

PHRAGMITES COMMUNIS Trin. Oxford (Harger).

\* ERAGROSTIS PECTINACEA (Michx.) Steud., var. SPECTABILIS Gray. Sandy wastes on the coast: Bridgeport (C. K. Averill, Eames). Probably not rare.

MELICA STRIATA (Michx.) Hitchc. Winchester (A. E. Blewitt).

BRIZA MEDIA L. Old Lyme (A. E. Blewitt).

CYNOSURUS CRISTATUS L. Hartford (J. P. Brace, 1861; specimen in Herb. Williams College: RHODORA, xvi. 87). Well established in grass-land: Branford and Fairfield, not rare in newly seeded lawns, whence it readily spreads (Eames).

\* GLYCERIA FERNALDII (Hitchc.) St. John. RHODORA, xix. 75 (1917). *G. pallida* (Torr.) Trin., var. *Fernaldii* Hitchc. RHODORA,



viii. 211 (1906). Guilford (W. R. Dudley; specimen in Herb. Yale University), East Hartford (Weatherby).

*PUCCINELLIA FASCICULATA* (Torr.) Bickn. *P. Borreri* (Bab.) Hitchc. Along the coast: rare eastward, becoming occasional westward.

*P. DISTANS* (L.) Parl. Rare. Sea beaches and borders of salt marshes: East Haven (Harger), Orange (Bissell), Bridgeport (Eames).

*P. PAUPERCULA* (Holm) Fernald & Weatherby, var. *ALASKANA* (Scribn. & Merr.) Fernald & Weatherby. *RHODORA*, xviii. 18 (1916). *P. angustata* Rand & Redfield, not *Poa angustata* R. Br. Rare. Shore of Blackhall River, Old Lyme (Graves).

The genus *Puccinellia* is here treated according to the revision by Fernald & Weatherby (*RHODORA*, xviii. 1-22), much of the material referred in the Catalogue to *P. distans* being here included under *P. fasciculata* (*P. Borreri* of the Catalogue).

Our species as recognized here may be distinguished by the following key (adapted from Fernald & Weatherby):—

- A. Lower branches of the comparatively short panicle (0.2-1.6 dm. long) densely flowered nearly to the base or at least below the middle; lemmas thick and coriaceous, without a broad hyaline tip; the midnerve reaching the apex of the lemma, often excurrent as a very short mucro  
*P. fasciculata*
- A. Lower branches of the panicle floriferous chiefly above the middle; lemmas thin and membranaceous in texture, or at least with a broad hyaline tip; the midnerve not excurrent. B.
- B. Lemmas erose-ciliolate or serrulate under a lens.....*P. distans*
- B. Lemmas essentially entire.....*P. paupercula*, var. *alaskana*

\* *FESTUCA RUBRA*, var. *SUBVILLOSA* Mert. & Koch. Dry, rather barren hillside pastures and in a lawn: Franklin (R. W. Woodward, *RHODORA*, xiii. 70).

† *FESTUCA OVINA* L., var. *DURIUSCULA* (L.) Koch. Established in grass-land about an old house at Branford (Eames), East Haven and Southington (Andrews).

*BROMUS HORDEACEUS* L. Grass-land and about lawns in Bridgeport and Fairfield (Eames).

† *B. HORDEACEUS* L., var. *LEPTOSTACHYS* (Pers.) Beck. Bridgeport and Fairfield, growing with the species in about equal numbers. Apparently introduced in grass-seed (Eames).

*B. COMMUTATUS* L. New London (Graves), New Haven (Harger), Waterbury and Woodbury (A. E. Blewitt). Occasional in southwestern Connecticut (Eames).

† *B. ARVENSIS* L. Well established in several dry fields, roadsides and wastes: Bridgeport (Eames). Introduced from Europe.



† *B. JAPONICUS* Thunb. Naugatuck (A. E. Blewitt). Fugitive from Eurasia.

*B. INCANUS* (Shear) Hitchc. Willimantic (G. E. Nichols), Colchester, Southbury and Oxford (Harger), Windsor (Weatherby), Waterbury (A. E. Blewitt).

*B. INERMIS* Leyss. Bridgeport (Eames).

† *B. INERMIS* Leyss., var. *ARISTATUS* Schur. Winchester (A. E. Blewitt), Bridgeport (Eames).

† *B. MARGINATUS* Nees. Waste ground, Naugatuck (A. E. Blewitt). Fugitive from the northwestern United States.

*LOLIUM MULTIFLORUM* Lam. Bridgeport (Eames).

† *L. MULTIFLORUM* Lam., var. *DIMINUTUM* Mutel, Fl. France, iv. 139 (1837). *L. Boucheanum* Kunth. Fields and roadsides: East Haven (Bissell), Bridgeport (Eames), Greenwich (Bissell & Weatherby). This has been confused with *L. perenne*. Forms intermediate between this and the typical form occur at Fairfield and Bridgeport (Eames).

The above forms are difficult to distinguish in herbarium material by any clear characters, but are kept apart as sub-species or even as species by practically all recent European authors on the ground that one is annual and the other perennial. The specimens cited under the variety, except that from Greenwich, were referred to *L. perenne* in the Catalogue.

The following key may help to distinguish these plants:—

- A. Unexpanded leaves folded; rachis usually smooth except on the angles; glumes of the upper spikelets exceeding the contiguous floret, usually more than half the length of the spikelet. . . . . *L. perenne*
- A. Unexpanded leaves rolled in from each margin toward the mid-vein; rachis usually roughened; glumes of the upper spikelets not exceeding the contiguous spikelet. B.
- B. Annual; spikelets 10–20-flowered; glumes of the lowest spikelets often exceeding the contiguous floret. . . . . *L. multiflorum*
- B. Perennial; spikelets 5–8(9)-flowered; none of the glumes exceeding the contiguous floret. . . . . *L. multiflorum*, var. *diminutum*

† *L. TEMULENTUM* L., var. *LEPTOCHAETON* A. Br. Associated with the typical form, Bridgeport (Eames).

† *HORDEUM TRIFURCATUM* Jacq. Rare. Waste ground and fence-rows: Berlin and Southington (Andrews).

† *H. CAPUT-MEDUSAE* (L.) Cosson. Formerly abundant along a roadside at Bridgeport, but the station has since been destroyed (Eames). Fugitive from Europe.

† *H. MURINUM* L. Wall Barley. Way Bent. Waste ground:



Naugatuck (A. E. Blewitt, RHODORA, xiv, 163). Fugitive from Europe.

\* ELYMUS HALOPHILUS Bickn. Occasional or frequent along the coast in various moist or dry situations (Eames).

E. AUSTRALIS Scribn. & Ball. Thompson (Weatherby). Previously reported only from New Haven.

ELEOCHARIS TUBERCULOSA (Michx.) R. & S. Killingworth (Weatherby), Ellington (Harger), South Windsor (C. W. Vibert & Weatherby). Extension of range northwestwardly.

\* SCIRPUS SMITHII Gray, var. SETOSUS Fernald. Wet alluvial soil, Voluntown (Bissell, RHODORA, xiii. 30).

S. TORREYI Olney. South Windsor (C. W. Vibert), Waterbury (A. E. Blewitt). In the Catalogue reported only from Lyme.

\* S. OCCIDENTALIS (Watson) Chase. Borders of ponds and slow streams: Hartford (Chas. Wright; specimen in Herb. New England Bot. Club), Goshen (Bissell & Weatherby), Sharon and Salisbury (Eames & C. C. Godfrey, RHODORA, xvi. 19). At the Goshen station occur both forms mentioned by Mrs. Chase in her description.

\* S. RUBROINCTUS Fernald, var. CONFERTUS Fernald. Wet meadows: Southington (Bissell, RHODORA, xiii. 55), Waterbury and Barkhamsted (A. E. Blewitt).

S. ATROVIRENS Muhl. Occasional in western Connecticut.

\* S. PECKII Britton. Low, moist meadows: Barkhamsted and Winchester (A. E. Blewitt, RHODORA, xv. 98).

S. PEDICELLATUS Fernald, var. PULLUS Fernald. Bank of Farmington River at New Hartford (A. E. Blewitt).

\* S. LONGII Fernald. RHODORA, xiii. 6 (1911). Borders of sloughs in sand-plain: South Windsor (C. W. Vibert).

RYNCHOSPORA FUSCA (L.) Ait. f. Killingworth (W. R. Dudley), Haddam (F. W. Hall), South Windsor (Weatherby), Norfolk (J. P. Brace; specimen in Herb. Williams College: RHODORA, xvi. 86). The last station a northwesterly extension of range.

R. CAPILLACEA Torr. Open, grassy pond-margin, Salisbury (Mrs. C. S. Phelps, RHODORA, xiii. 30).

\* C. SCOPARIA Schkuhr, var. SUBTURBINATA Fernald & Wiegand. RHODORA, xiv. 116 (1912). Dry or damp sandy soil: New London and Franklin (Graves). The perigynia in these specimens are shorter than is usual in *C. scoparia*.

C. CRISTATA Schwein. North Canaan (A. E. Blewitt), Greenwich



(Bissell & Weatherby), Bridgeport (Eames). In the Catalogue not reported south of Huntington.

*C. ALBOLUTESCENS* Schwein. South Windsor (A. E. Blewitt), Bridgeport and Fairfield (Eames). In the Catalogue reported only from New London and Tolland Counties.

\* *C. STRAMINEA* Willd., var. *ECHINODES* Fernald. Rich, open ground, Beacon Falls (A. E. Blewitt).

*C. BICKNELLII* Britton. Apparently occasional throughout the state, but usually in small quantity at any place.

\* *C. FESTUCACEA* Schkuhr. Rare. Dry fields: Southington (Andrews), Thomaston and Waterbury (A. E. Blewitt).

*C. BEBBII* Olney. Canaan (R. W. Woodward), Sharon (H. S. Clark), New Fairfield (Harger) North Canaan, Newtown, and Brookfield (A. E. Blewitt), Greenwich (Bissell & Weatherby). In the Catalogue reported only from Salisbury.

*C. BRUNNESCENS* Poir. Waterbury (A. E. Blewitt), Stafford (A. W. Driggs). Not previously reported east of the Connecticut River.

*C. DEWEYANA* Schwein. Durham (Weatherby, Eames & C. C. Godfrey), Guilford (Eames & C. C. Godfrey). An extension of range southeastward.

*C. TRISPERMA* Dewey, var. *BILLINGSII* Knight. Much more common than was supposed at the time of publication of the Catalogue. It is a characteristic plant of cold sphagnum bogs where it takes the place of the typical form, which prefers swampy, but less sphagnum woods. Occasionally, however, the two grow together, showing that the variety is not merely an ecological state.

† *C. MURICATA* L. Waste ground, Bridgeport (Eames). Introduced from Europe.

*C. TENELLA* Schkuhr. Waterbury and Danbury (A. E. Blewitt).

\* *C. ALOPECOIDEA* Tuckerm. Border of swale, North Canaan (Harger).

*C. DIANDRA* Schrank. Open swamps: Suffield and Sharon (Harger), Granby (Weatherby). Previously reported only from Salisbury.

*C. DIANDRA* Schrank, var. *RAMOSA* (Boott) Fernald. Abundant in a boggy pasture, North Canaan (A. E. Blewitt). Previously reported only from Salisbury.

\* *C. LAEVIVAGINATA* (Kükenth.) Mackenzie in Britton & Brown, Ill. Fl. Ed. 2, i. 371 (1913). Open marshes and meadows: "Connecticut" (Chas. Wright, 1878, the exact locality uncertain), Durham



and Guilford (Eames & C. C. Godfrey), Cromwell and Salisbury (Weatherby), Sharon (Harger), Danbury (A. E. Blewitt) and frequent or locally common in southwestern Connecticut. An Alleghenian species closely related to, and previously confounded with, *C. stipata*, from which it differs in having the hyaline band of the sheaths smooth, not puckered, and with a conspicuous cartilaginous apex, which is yellow after drying, and in its longer perigynia with beak equalling or longer than the body.

*C. AQUATILIS* Wahlenb. Middlebury (Harger).

*C. STRICTA* Lam., var. *CURTISSIMA* Peck. Middletown (Joseph Barratt; specimen in Herb. Wesleyan University).

*C. STRICTA* Lam., var. *DECORA* Bailey. Waterbury (A. E. Blewitt). An extension of range westward.

*C. POLYGAMA* Schkuhr. Waterbury (H. J. Bassett, 1862), Fairfield (Eames).

\* *C. BUSHII* Mackenzie. Bull. Torr. Bot. Club, xxxvii. 241 (1910). Rare. Dry fields: Milford and Bridgeport (Eames).

*C. UMBELLATA* Schkuhr. Common or frequent over most of the state in dry fields or open woods.

*C. UMBELLATA* Schkuhr, var. *TONSA* Fernald. Old Lyme (Bissell & Weatherby), Middletown (Weatherby). In the Catalogue reported from a single station in North Stonington.

*C. UMBELLATA* Schkuhr, var. *BREVIROSTRIS* Boott. Ledyard (Graves), Old Lyme (Bissell & Weatherby), Franklin, New Haven and "towns west" (R. W. Woodward, RHODORA, xiii. 68; xv. 95), Roxbury (Weatherby). In the Catalogue reported only from Cheshire.

\* *C. NOVAE-ANGLIAE* Schwein. Rocky hillside woods, Norfolk (Bissell & R. W. Woodward, RHODORA, xiii. 30).

*C. LIMOSA* L. Suffield (G. E. Nichols).

*C. PTYCHOCARPA* Steud. Guilford (W. R. Dudley; specimen in Herb. Yale University). Previously reported only from Waterford.

*C. LAXIFLORA* Lam., var. *GRACILLIMA* Boott. Farmington (Chas. Wright; specimen in Herb. New England Bot. Club). In the Catalogue reported only from western Connecticut.

*C. LEPTONERVIA* Fernald. RHODORA, xiv. 214 (1914). *C. laxiflora* Lam., var. *leptonervia* Fernald. Cheshire and Waterbury (A. E. Blewitt).

*C. HITCHCOCKIANA* Dewey. Cheshire and Woodbury (A. E.



Blewitt), Hartland (Bissell & Weatherby). Previously reported only from the trap ridges of central Connecticut.

C. GLAUCODEA Tuckerm. Hamden (A. E. Blewitt), Guilford (Eames & C. C. Godfrey).

C. GRANULARIS Muhl. Stratford (Eames), Greenwich (Bissell & Weatherby). Southwestern extensions of range.

C. FLAVA L. Killingworth (G. H. Bartlett), North Branford (Harger), Greenwich (Bissell & Weatherby). Extensions of range to the east and south.

C. FLAVA L., var. RECTIROSTRA Gaudin. Margins of Blakeley's Pond, Norfolk (A. E. Blewitt), and Dog Pond, Goshen (Bissell & Weatherby). Not previously reported west of the Connecticut River. At Dog Pond it fruits notably later than the typical form, with which it grows.

C. DEBILIS, var. RUDGEI  $\times$  VIRESCENS. Franklin (R. W. Woodward, RHODORA, xiii. 69).

C. DEBILIS Michx., var. INTERJECTA Bailey. Guilford (W. R. Dudley; specimen in Herb. Yale University). In the Catalogue reported only from Southington.

C. TRICHOCARPA Muhl. Middletown (Joseph Barratt, 1833; specimen in Herb. Wesleyan University), Southbury (Harger, RHODORA, xv. 66), Newtown (A. E. Blewitt), Oxford (Harger). Extensions of range to the east and south.

C. SQUARROSA L. Sharon (H. S. Clark), Greenwich (Eames & W. H. Hoyt). In the Catalogue not reported from Litchfield or Fairfield Counties.

C. TYPHINA Michx. Fairfield (Eames). Previously reported only from the central lowland.

\* C. SUBULATA Michx. Sphagnous swamp in partial shade, Cromwell (Dr. E. J. Thompson, RHODORA, xiii. 78).

C. BULLATA Schkuhr, var. GREENEI (Boeckl.) Fernald. North Canaan (A. E. Blewitt). Previously known only from east of the Connecticut River.

ARISAEMA TRIPHYLLUM (L.) Schott. The form with the lateral leaflets lobed occurs at Cromwell (Dr. E. J. Thompson, RHODORA, xiii. 78), Oxford (Harger) and Salisbury (Weatherby).

The form described as var. *pusillum* Peck occurs at Middlefield and Windsor (Weatherby) and is occasional in the western part of the state.



The form described as *A. Stewardsonii* Britton occurs on shaded river-banks and in wet woods at South Windsor (C. W. Vibert), Watertown (Harger, Weatherby), Wilton (G. P. Ells), Salisbury (Weatherby).

\* *ERIOCAULON PARKERI* Robinson. Rare. Tidal flats of Mill River, New Haven and Hamden (Eames, 1899) and similar situations along the Housatonic River, Stratford (Eames). Previous to its recognition at these stations known only from the estuaries of the lower Delaware River and Chesapeake Bay. No admixture with *E. septangulare* has been observed, the latter appearing to be confined to fresh-water shores beyond tidal influence.—E. H. EAMES.

*XYRIS FLEXUOSA* Muhl. Change the statement of range in the Catalogue to read:—Occasional in New London Co. and on the sand-plains of central Connecticut; rare elsewhere, reaching Union (Bissell), Killingworth (Harger et al.), Ellington (Harger).

*X. SMALLIANA* Nash. Voluntown (Graves), Haddam (W. R. Dudley; specimen in Herb. Yale University).

† *TRADESCANTIA REFLEXA* Raf. Waste ground, Naugatuck (A. E. Blewitt, RHODORA, xiv. 163). Fugitive from the southwestern United States.

*PONTEDERIA CORDATA* L., var. *ANGUSTIFOLIA* Torr. East Lyme (Bissell), Groton (Harger), Suffield (Eames & C. C. Godfrey).

*JUNCUS TENUIS* L., var. *ANTHELATUS* Wiegand. Franklin (R. W. Woodward), New Fairfield (Harger). Occasional near the coast in southwestern Connecticut.

*J. DICHOTOMUS* Ell. Fairfield (Eames).

*JUNCUS DICHOTOMUS* Ell., var. *PLATYPHYLLUS* Wiegand. Fairfield (Eames). Previously reported only from Groton.

\* *J. EFFUSUS* L., var. *CONGLOMERATUS* Engelm. Gray Man. Ed. 5. 537 (1867). RHODORA, xii. 85. Rare. Sphagnous meadows: Voluntown (Bissell, RHODORA, xiii. 31), Franklin (R. W. Woodward, RHODORA, xii. 86).

\* *J. EFFUSUS* L., var. *DECIPIENS* Buchenau. Rare. Moist grassy roadside, Madison (Weatherby).

*J. BRACHYCEPHALUS* (Engelm.) Buchenau. In moist or dry calcareous soils southward in the Housatonic valley to New Milford and Sherman (Eames).

*J. CANADENSIS* J. Gay, var. *SUBCAUDATUS* Engelm. Ledyard (Graves), Killingly (Bissell & Weatherby), Colebrook (M. L. Fernald). Eastern and western extensions of range.



\* *UVULARIA GRANDIFLORA* Smith. Rare. Low, rich woods, Salisbury (Mrs. J. R. Hubbard).

† *ALLIUM SCHOENOPRASUM* L. Chives. Rather freely spontaneous in waste ground near a garden, Middlebury (Harger). Fugitive from Europe.

*HOSTA JAPONICA* (Thunb.) Aschers. Bridgeport (Eames).

*HEMEROCALLIS FLAVA* L. Newtown and Danbury (Harger) and rare to occasional throughout southwestern Connecticut.

*LILIUM SUPERBUM* L. Plainfield (Harger), Voluntown (Harger et. al.) and frequent southerly along the Quinebaug River.

*STREPTOPUS ROSEUS* Michx. Guilford (W. R. Dudley; specimen in Herb. Yale University). Extension of range southeastward.

\* *DIOSCOREA PANICULATA* Michx., var. *GLABRIFOLIA* Bartlett. Bur. Pl. Industr. U. S. Dept. Agric. Bull. clxxxix. 17 (1910). "Middlesex Co." (S. B. Buckley, 1835), "New Haven Co." (Robbins). This variety, recently described as distinguishable from *D. paniculata* Michx. (*D. villosa* L.), differs only in having the leaves entirely glabrous.

† *GYMNADENIA CONOPSEA* R. Br. Litchfield (Miss Anna M. Vail, Bull. Torr. Bot. Club, xxxvii. 432). A single specimen in the Herbarium of the Torrey Botanical Club — the only known collection from North America. Miss Vail does not now remember just when nor where it was found. It may possibly have been introduced by some lover of flowers; and collectors should be on the lookout for it about Litchfield, that it may be, if possible, rediscovered and its status definitely made out.

*HABENARIA MACROPHYLLA* Goldie. Colebrook (G. E. Nichols).

*H. BLEPHARIGLOTTIS* (Willd.) Torr. East Windsor (J. W. Robbins, 1825; specimen in Herb. Yale University), South Windsor, in great quantity in 1916 (C. W. Vibert), Suffield (Eames & C. C. Godfrey, C. W. Vibert).

*POGONIA AFFINIS* Austin. Waterford (Miss Florence Griswold), Middletown (Miss G. H. Miner).

*SPIRANTHES LUCIDA* (H. H. Eaton) Ames. Extends southward to Huntington on tidewater. (Eames) and Wilton (G. P. Ells).

*S. BECKII* × *GRACILIS*. Bridgeport (J. F. Moore. E. H. Eames, *RHODORA*, xviii. 239).

*EPIPACTIS REPENS* (L.) Crantz, var. *OPHIODES* (Fernald) A. A. Eaton. Guilford (W. R. Dudley, 1904; specimen in Herb. Yale University). Not previously reported south of Southington.



*E. TESSELATA* (Lodd.) A. A. Eaton. Barkhamsted and Beacon Falls (A. E. Blewitt). The latter station a southward extension of range.

*SALIX PENTANDRA* L. Bridgeport (Eames), New Haven (A. E. Blewitt).

*S. SERISSIMA* (Bailey) Fernald. New Haven (J. A. Allen; specimen in Herb. Conn. Agr. Exp. Sta. RHODORA, xiv. 80). In the Catalogue reported only from the northwestern part of the state.

*S. SUBSERICEA* (Anders.) Schneider. Hartland (Bissell & Weatherby).

\* *S. ROSTRATA* Richards., var. *CAPREIFOLIA* Fernald. RHODORA, xvi. 177 (1914). By a woodland path in rather wet ground, Barkhamsted (A. E. Blewitt).

\* *MYRICA GALE* L., var. *SUBGLABRA* (Chevalier) Fernald. RHODORA, xvi. 167 (1914). This variety with the leaves glabrous or glabrate beneath is now known from Norwich (W. A. Setchell) and Salisbury (Weatherby), and probably occurs elsewhere.

*BETULA LENTA* L. A form which is somewhat intermediate between and possibly a hybrid of, this species and *B. lutea* has been described as *B. allegheniensis* Britton and is rare in the western part of the state (Eames).

† *B. NIGRA* L. Several young trees on reclaimed land at Bridgeport, where probably introduced (Eames).

*QUERCUS MUHLENBERGII* Engelm. Rocky hillside in Wilton (W. J. Comstock, G. P. Ells and H. W. Beers).

*Q. RUBRA* L., var. *AMBIGUA* (Michx.) Fernald. Oxford and Seymour (Harger), Cornwall (R. C. Benedict; specimen in Herb. N. Y. Bot. Gard.). Probably of wider distribution.

*BROUSSONETIA PAPYRIFERA* (L.) Vent. An additional station in Norwalk (Eames). Roadsides: Stamford and Greenwich (W. H. Hoyt).

*RUMEX MEXICANUS* Meisn. Old Lyme (Graves, A. E. Blewitt), Cheshire and Naugatuck (A. E. Blewitt), Salisbury (Mrs. C. S. Phelps, RHODORA, xvi. 96). Occasional in the southwestern part of the state (Eames).

*R. ALTISSIMUS* Wood. In the fresh green state the fruiting calyx commonly bears a uniformly large tubercle on each lobe; two of them shrinking but little more than the other until full maturity — a fact that has given cause for some confusion in field studies of this species. Occasional on banks and shores along tidewater of the Housatonic River (Eames).



POLYGONUM LAPHATHIFOLIUM L., var. NODOSUM Meisn. Rare. Waste ground, Bridgeport (Eames).

P. ACRE, HBK., var. LEPTOSTACHYUM Meisn. Kent and New Milford (Eames). Frequent at Oxford (Harger).

\* P. HYDROPIPEROIDES Michx., var. STRIGOSUM Small. Rare. Border of Ponds: Voluntown (R. W. Woodward), Hartford (A. W. Driggs), Huntington (Harger).

P. DUMETORUM L. Reported from many stations and probably occasional in dry, rocky woods over much of the state.

CHENOPODIUM GLAUCUM L. Naugatuck (A. E. Blewitt), Danbury (Harger), North Canaan (M. L. Fernald), Salisbury (Eames & C. C. Godfrey). Occasional in southwestern Connecticut (Eames). Previously reported only from Bridgeport.

C. BOSCIANUM Moq. Scotland and Salisbury (Weatherby).

C. LEPTOPHYLLUM Nutt. Haddam (C. M. Child; specimen in Herb. Wesleyan University). Waste ground, Waterbury (A. E. Blewitt).

† SPINACIA OLERACEA Mill. Spinach. Rare in waste grounds: Stratford and Fairfield (Eames). Fugitive from Europe.

\* ATRIPLEX PATULA L., var. LITTORALIS (L.) Gray. Sea-beaches: occasional in southeastern Connecticut (Graves), Fairfield (H. S. Clark), South Norwalk (Bissell), Greenwich (Eames & C. C. Godfrey). In the Catalogue included under typical *A. patula*.

AMARANTHUS SPINOSUS L. Waterbury (A. E. Blewitt).

ACNIDA TUBERCULATA Moq. Groton (Graves), Naugatuck (A. E. Blewitt), Bridgeport and Norwalk (Eames).

† CELOSIA CRISTATA L. Rare in waste ground at Fairfield (Eames). Fugitive from the tropics.

OXYBAPHUS NYCTAGINEUS (Michx.) Sweet. Naugatuck and Waterbury (A. E. Blewitt). Well established in vacant lots at West Haven, Orange (Harger, Mrs. C. H. Lyman). Previously reported only from Granby.

O. HIRSUTUS (Pursh) Sweet. Milford (Eames).

\* ANYCHIA POLYGONOIDES Raf. Rare. Grass-land, East Hartford (C. C. Hanmer). West Peak, Meriden (Miss Celia A. Shepard; specimen in Herb. Conn. Agr. Exp. Sta.).

\* SPERGULARIA CANADENSIS (Pers.) G. Don. Groton (Bissell, RHODORA, xii. 162).

\* S. SALINA J. & C. Presl. Groton (Bissell, l. c.).

S. LEIOSPERMA (Kindberg) F. Schmidt. Common in saline soil along



the coast. Discussion of this and the two preceding species will be found in RHODORA, xii. 157-162.

SAGINA DECUMBENS (Ell.) Torr. & Gray. Portland (A. E. Blewitt).

\* STELLARIA BOREALIS Bigel., var. ISOPHYLLA Fernald. RHODORA, xvi. 150 (1914). Cromwell and Winchester (Bissell), Guilford (G. H. Bartlett & Harger), Southington (Andrews), Oxford (Harger).

S. BOREALIS Bigel., var. FLORIBUNDA Fernald. RHODORA, xvi. 151 (1914). Orange (Weatherby), Oxford (Harger).

† S. GRAMINEA L., var. LATIFOLIA Peterm. East Hartford (Weatherby), Southington (Andrews), Salisbury (Bissell), Milford and Bridgeport (Eames). Introduced from Europe.

† S. AQUATICA L. Rare. Moist banks of the Housatonic River below highwater mark, sparingly at two stations (Harger). Fugitive or adventive from Europe.

\* SILENE ANTIRRHINA L., forma DEANEANA Fernald. RHODORA, xvii. 96 (1915). Occasional in dry soil. Differs from the typical form in the entire absence of the glutinous band on the internodes.

† S. GALLICA L., var. QUINQUEVULNERA Koch. Rare. Cultivated fields, Southington (Andrews). Fugitive from Europe.

GYPSOPHILA MURALIS L. Roadside, Chester (Graves).

NUPHAR ADVENA (Ait.) R. Br. Occasional in the coastal region of southwestern Connecticut (Eames).

N. VARIEGATUM Engelm. Common or occasional throughout. Recent studies have shown that the name *Nuphar advena* should be restricted to the larger plant having mostly emerged leaves with open sinus.

N. MICROPHYLLUM (Pers.) Fernald. RHODORA, xix. 111 (1917). Guilford (W. R. Dudley; specimen in Herb. Yale University), Plymouth (H. J. Bassett, 1861), Stamford (Eames & C. C. Godfrey). In the Catalogue not reported from Fairfield Co.

NYMPHAEA TUBEROSA Paine. Rogers Pond, Old Lyme (Graves).

(To be continued.)

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